

Case study 460

Andrews provide cooling arrangement for a high profile bank

Andrews Air Conditioning Hire was recently contacted by a facilities management company who were undertaking a project at a major bank in England, following a planned shutdown of air handling units in their uninterrupted power supply (UPS) room.

The client in question was tasked with maintaining temperatures of 23°C and below inside the bank's UPS room. To enable this, our experts were drafted in to supply temporary air conditioning units whilst the existing cooling services were offline.

After conducting a free site survey, our local specialist was able to provide expert advice in terms of the cooling capacity required. It was then decided that the best course of action was to recommend the hire of ten PAC 22 air conditioners, which were sited inside the target application alongside ten heat exchangers located in the corridor.

All doors in the basement corridors were kept open to maintain a reasonable air flow and prevent the heat exchangers from overheating. This step was necessary due to the basement's lack of windows which meant the application itself was poorly ventilated.

Once operational, the short-term cooling arrangement succeeded in maintaining the temperatures needed to ensure sensitive batteries in the UPS room were not damaged. Our customer was extremely pleased with the efficiency of our technicians, who ensured the air conditioning rental package was deployed and installed within 24 hours.



Nominal cooling/ heating duty 90 kW
Air flow (max) 15,000 m³/h
Typical cooled area 2000 m²
Power supply 415 v 3 ph N+E RUN 84 A
Plug type BS4343 125 A 5 Pin
Noise level (max) 75.2 dBA @ 3 metres
Weight 1,640 kg
Dimensions (LxWxH) 2,280 x 2,030 x 2,450 mm
Duct length (max) 48 metres
Control Automatic thermostat*
Average power consumption 48.4 kW/h
Duct Diameter 600 mm
*Capable of operating down to 10°C



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